

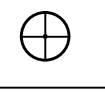
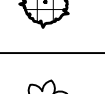
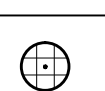
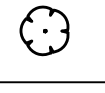

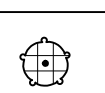





PLANT SCHEDULE

TREES	QTY	COMMON NAME / BOTANICAL NAME	CONT	CAL	SIZE	
	2	Eastern Redbud / Cercis canadensis 4' Clear Single Trunk. Evenly Branched. Full Symmetrical Crown. See Tree Specifications	B & B	3"Cal	8"-10' HT	
	6	Tulip Poplar / Liriodendron tulipifera 5' Clear Trunk. Single, Straight Central Leader. Full Upswept Branching. Even Branching. See Tree Specifications.	B & B	3"Cal	12"-14' HT	
SHRUBS	QTY	COMMON NAME / BOTANICAL NAME	CONT			
	2	American Boxwood / Buxus sempervirens Full; Dense Form. Unsheered	24"x24"			
	20	Dwarf Burford Holly / Ilex cornuta `Burfordii Nana` Full; Dense Form	18" HT			
	9	Goldsturm Black-eyed Susan / Rudbeckia fulgida `Goldsturm` Full. Heavy. Well Branched	1 gal			
	11	Green Velvet Boxwood / Buxus x `Green Velvet` Full; Dense Form. Unsheered	18" HT			
	9	Henry`s Garnet Sweetspire / Itea virginica `Henry`s Garnet` Full. Heavy. Well Branched	18" HT			
	3	Limelight Hydrangea / Hydrangea paniculata `Limelight` Full; Dense Form	18" HT			
	28	Luykens Laurel / Prunus laurocerasus `Otto Luyken` Full; Dense Form.	18" HT			
	13	Mr. Goldstrike Aucuba / Aucuba japonica `Mr. Goldstrike` Full. Heavy. Well Branched	18" HT			
GROUND COVERS	QTY	COMMON NAME / BOTANICAL NAME	CONT			SPACING
	87	Bowles` Common Periwinkle / Vinca minor `Bowles`	1 Pint			24" o.c.

TURF  
SOD                      Fine Bladed Fescue Sod                      Rebel III. Install Sod all disturbed areas

MISCELLANEOUS                      REMARKS  
Uncolored Shredded Hardwood Bark Mulch                      Minimum 3" depth throughout.

NOTES  
ANY CHANGES TO THE PLANT MATERIAL WITHOUT THE APPROVAL OF HEIBERT+BALL, LAND DESIGN MAY BE DENIED AT THE TIME OF INSPECTION. PLEASE CONTACT H-B FOR ANY SUBSTITUTION REQUESTS.

TREE SPECIFICATIONS  
NOTE: ALL TREES SHALL HAVE THE FOLLOWING CHARACTERISTICS:  
1. Deciduous trees shall have one dominant single straight trunk with the tip of the leader on the main trunk left intact and the terminal bud on the central leader is at the highest point on the tree.  
2. Trees with forked trunks are acceptable if all the following conditions are met:  
a. The fork occurs in the upper 1/3 of the tree.  
b. One fork is less than 2/3 the diameter of the dominant fork.  
c. The top 1/3 of the smaller fork is removed at the time of planting.  
3. No branch is greater than 2/3 the diameter of the trunk directly above the branch.  
The trunk and/or major branches shall not touch  
4. Several branches are larger in diameter and obviously more dominant.  
5. Branching habit is more horizontal than vertical, and no branches are oriented nearly vertical to the trunk.  
6. Branches are evenly distributed around the trunk with no more than one major branch located directly above another and the crown is full of foliage evenly distributed around the tree  
7. Crown spread shall look proportional to the tree.  
8. NO flush cuts or open trunk wounds or other bark injury  
9. Root ball meets all ANSI standards and is appropriately sized

DEFICIENCIES NOT ACCEPTED:  
1. Tip dieback on 5% of branches  
2. Crown thin/sparsely foliated  
3. Included bark  
4. Major Branches touching  
5. Asymmetrical branching

SITE DATA

SITE AREA: 1.12 ACRES  
GROSS AREA OF PARKING (GAP): 11,813 SF  
LANDSCAPE REQUIREMENTS

REQUIRED	PROPOSED
PERIMETER PARKING AREA - 1 CANOPY TREE SHALL BE PLANTED FOR EACH 50 FEET OF PARKING AREA PERIMETER PARKING PERIMETER 1 3" CANOPY TREE/ 50 LF OF FRONTAGE/ 276 LF 6 CANOPY TREES	6 3" CANOPY TREES
- 1 CANOPY TREE SHALL BE PLANTED FOR EVERY 10 PARKING SPACES * 1 3" CANOPY TREE/ 10 PARKING SPACES 21 Parking Spaces 3 CANOPY TREES	3 3" CANOPY TREES
BUFFER ZONE REQUIREMENTS 30' 18" TYPE BUFFER 6 CANOPY TREES REQUIRED - 6 EXISTING TREES 3 UNDERSTORY TREES REQUIRED - 3 EXISTING TREES 22 SHRUBS REQUIRED - 22 SHRUBS PROVIDED	
STREET TREES - 1 CANOPY TREE SHALL BE PLANTED FOR EACH 50 FEET OF ROAD FRONTAGE STREET A 1 3" CANOPY TREE/ 50 LF OF FRONTAGE/ 62 LF 2 CANOPY TREES	2 3" UNDERSTORY TREES
DENSITY REQUIREMENTS REQUIRED TREE DENSITY 14 TREE DENSITY UNITS PER ACRE	15.7 TDU 16.2 TDU

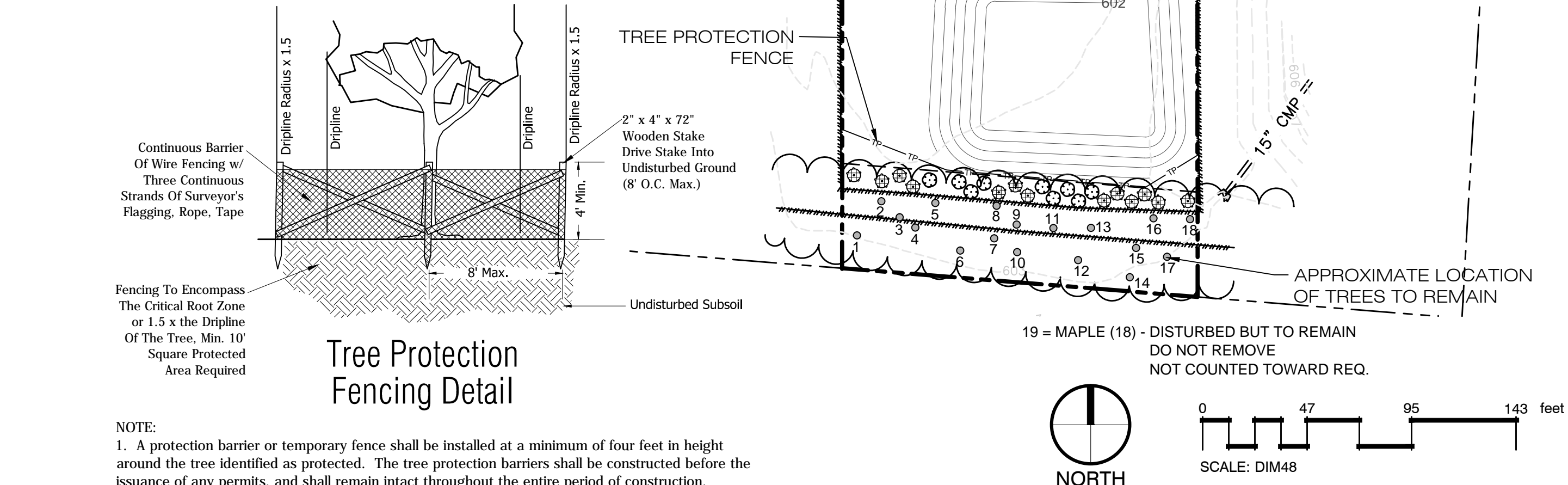
PROPOSED NEW TREES:

	UNITS	UNITS
2" CAL. TREES 0 x	0.5 =	0
3" CAL. TREES 8 x	0.6 =	4.8
CREDIT FOR NEW TREES:	6.3	CALIPER INCHES
CREDIT FOR EXISTING TREES:	9.9	CALIPER INCHES

EXISTING TREES:

#	SIZE	CREDIT
1	8"	0.4
2	8"	0.4
3	8"	0.4
4	8"	0.4
5	8"	0.4
6	8"	0.4
7	8"	0.4
8	8"	0.4
9	8"	0.4
10	10"	0.6
11	10"	0.6
12	10"	0.6
13	10"	0.6
14	10"	0.6
15	10"	0.6
16	10"	0.6
17	12"	1.8
18	12"	1.8
19	18"	0
TOTAL CREDITS	11.4	

TREE SAVE NOTE:  
1. IN AREA THAT THE BUILDING US BEING ADDED NEAR TREE 19, AIR ROOT PRUNING SHALL BE DONE BY THE ISA CERTIFIED ARBORIST WHERE HE DEEMS NECESSARY PRIOR TO GRADING. TREE PROTECTION FENCE SHALL THEN BE INSTALLED.  
2. ANY TRENCHING WITHIN THE DRIP LINE OF TREES SHALL BE HAND DUG AND NO LARGE MACHINES SHALL BE WITHIN THE DRIPLINE OF TREES AT ANY TIME  
3. NO LARGE MACHINES SHALL BE WITHIN THE DRIPLINE OF TREES AT ANY TIME



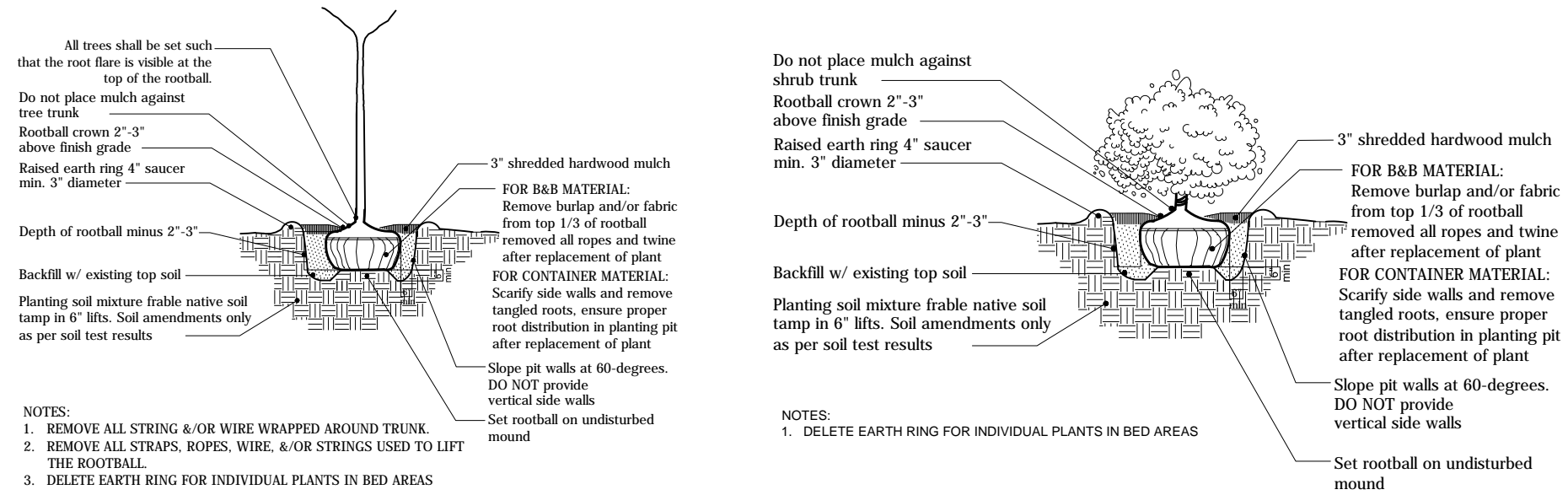
NOTE:  
1. A protection barrier or temporary fence shall be installed at a minimum of four feet in height around the tree identified as protected. The tree protection barriers shall be constructed before the issuance of any permits, and shall remain intact throughout the entire period of construction.  
2. The tree protection barrier shall be constructed of a metal material securely fastened to a wood frame composed of two-by-four inch (minimum) structural members with cross braces, or another form of substantial barrier reviewed and approved by the City Engineer.  
3. The tree protection barrier is diagrammatic only. The tree protection barrier shall be installed to the limits of the critical root zone or a minimum distance of one and one-half times the radius of the dripline, as measured from the trunk of the protected tree [ i.e. if the radius of the dripline is 20 feet, the radius of the tree protection barrier shall be installed at a minimum distance of 30 feet].  
4. Any required excavation in or around the protection zone to accomodate underground services, footings, etc; shall be indicated on the plan, and shall be excavated by hand. In addition, related root pruning shall be accomplished via ANSI A-300-95 standard so as to minimize impact on the general root system.  
5. The storage of building materials or stockpiling shall not be permitted within the limits of or against the protection barriers.  
6. Trees within the protection barriers must be adequately cared for throughout the construction process (i.e., they must be watered sufficiently, particularly if the tree's root system has been disturbed by excavation.) Fill shall not be placed upon the root system as to endanger the health or life of the affected tree.  
7. As specified in section 78-512(c)(7), a bond for the amount necessary for the development to meet its minimum caliper inch requirements shall be required prior to the issuance of any permits. The bond shall be held by the city for a period of three (3) years, or upon certification of an ISA certified arborist that the protected tree did not sustain terminal damage during site development. If a protected tree sustains terminal damage during a development project, the developer shall replace the affected tree according to guidelines contained in section 78-510(c).

TO AVOID OVERHEAD LIGHT POLE CONFLICTS:  
In the event proposed canopy trees are in conflict (within 10') with proposed or existing light pole locations, the landscape contractor shall stop work and contact Heibert and Associates immediately for coordination and field adjustment

TO AVOID OVERHEAD UTILITY CONFLICTS:  
In the event proposed canopy trees are in conflict (within 20') with proposed or existing overhead utility locations, the landscape contractor shall stop work and contact Heibert and Associates immediately for coordination and field adjustment

PLANT STANDARDS  
The standards set forth in "American Standard for Nursery Stock" represent general guideline specifications only and will constitute minimum quality requirements for plant material. All plants must meet minimum size noted at the materials schedule. And meet the characteristics stated on this drawing. All material installed on the site MUST meet or exceed these specifications. Any trees or shrubs not meeting these standards can be rejected at time of inspection.

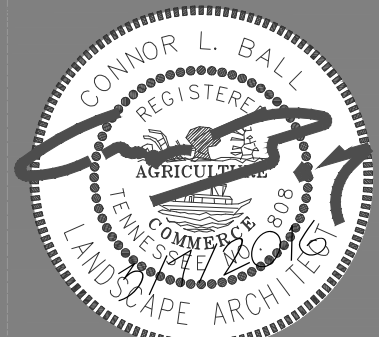
PLANT MATERIAL SUBSTITUTIONS:  
ALL SUBSTITUTION REQUESTS MUST BE SUBMITTED TO HEIBERT+BALL LAND DESIGN AND APPROVED BY H-B AND BY THE CITY OF BRENTWOOD PRIOR TO MAKING ANY CHANGES TO THE APPROVED LANDSCAPE PLAN. ANY CHANGES NOT APPROVED CAN BE REJECTED ON SITE INSPECTION



1 TREE PLANTING 2 SHRUB PLANTING

Landscape Notes  
1. The landscape contractor shall verify the exact location of all utilities and take necessary precautions to prevent damage to these utilities.  
2. The landscape contractor shall coordinate all construction with the appropriate utility company and shall be responsible for and damage to utilities.  
3. Plant materials and stumps indicated for removal shall be removed and disposed off-site by the contractor. Backfill holes with topsoil free of roots and rocks.  
4. All planting and mulch beds shall be hand weeded or sprayed with round-up ( contractor's option ) prior to the installation of mulch.  
4. The landscape contractor shall be responsible for the fine grading of all planting areas.  
5. The landscape contractor shall verify all material quantities. In the event of a discrepancy, the quantities shown on the plan will take precedence.  
6. The landscape contractor shall be responsible for completely maintaining the work ( including but not limited to: watering, mulching, spraying, fertilizing, etc. ) of all planting areas and lawns per project specifications until total acceptance of the work by the owner.  
7. The standards set forth in "American Standard for Nursery Stock" represent general guideline specifications only and will constitute minimum quality requirements for plant material. All plants must meet minimum size noted at the materials schedule. Trees shall be No. 1 grade specimen and shrubs shall be heavy well shaped specimens as well.  
8. The landscape contractor shall completely guarantee all work for a period of one year beginning at the date of acceptance. The landscape contractor shall make all replacements promptly ( as per direction of owner ).  
9. The landscape contractor shall provide the owner with written instructions on the proper care of all specified plant materials prior to final payment.  
10. Existing trees to remain shall be protected from construction damage. Selectively prune dead wood.  
11. All disturbed areas shall be planted with turf as indicated on the materials schedule.  
12. All deciduous trees, existing and proposed shall be pruned to provide 4' minimum clear trunk unless otherwise noted.  
13. ATTENTION OWNER/ INSTALLER:  
This landscape plan has been designed to meet the minimum requirements of the City of Brentwood zoning ordinance, the approval of the planning commission, and planning department policy. Relocating, substituting, resizing, reducing or deleting material may cause the site to no longer conform to the requirements; Thus problems may arise with releasing the performance/ maintenance bond for landscaping. Deviation from the approved landscape plan shall not be made without first consulting Heibert+ Ball Land Design and then obtaining approval from either the planning commission or the planning department.

PROPOSED SITE FOR:  
All God's Children Early Learning Academy  
Tax Map 0561, Parcels 7, Group G  
Nollensville, Williamson County, Tennessee



BY: cb

RELEASE DATE: 00/00/00  
REV 1:

L1.0

LANDSCAPE PLAN